

FIG. 1A

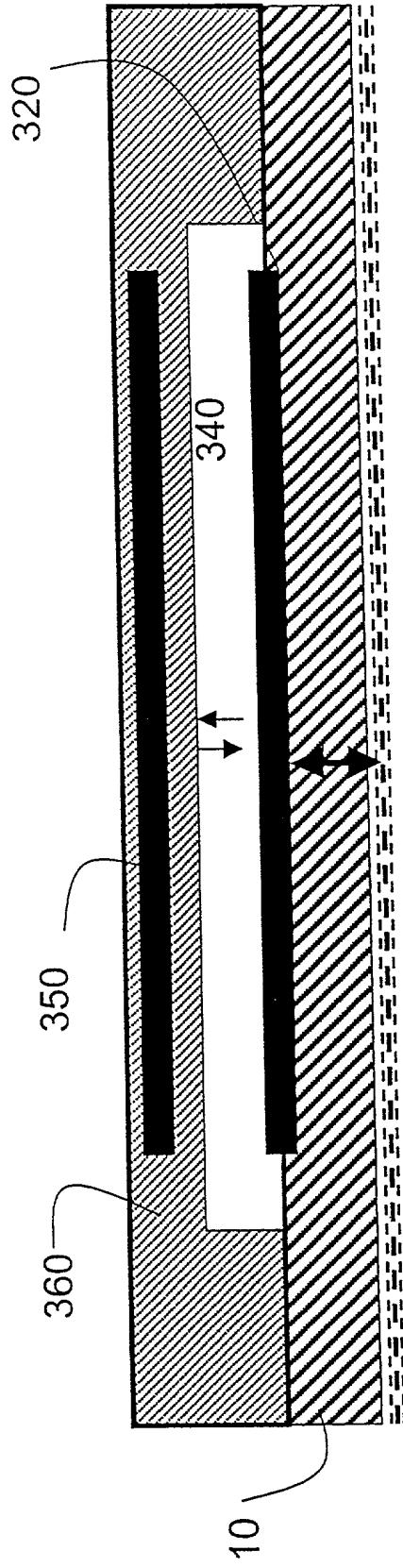


FIG. 1B



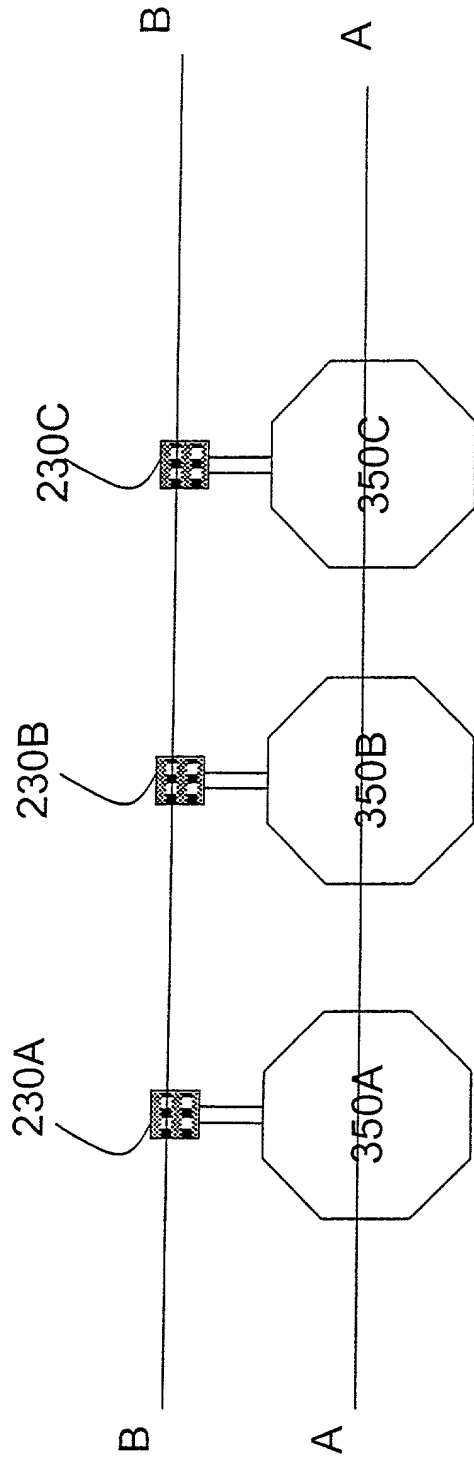


FIG. 2B

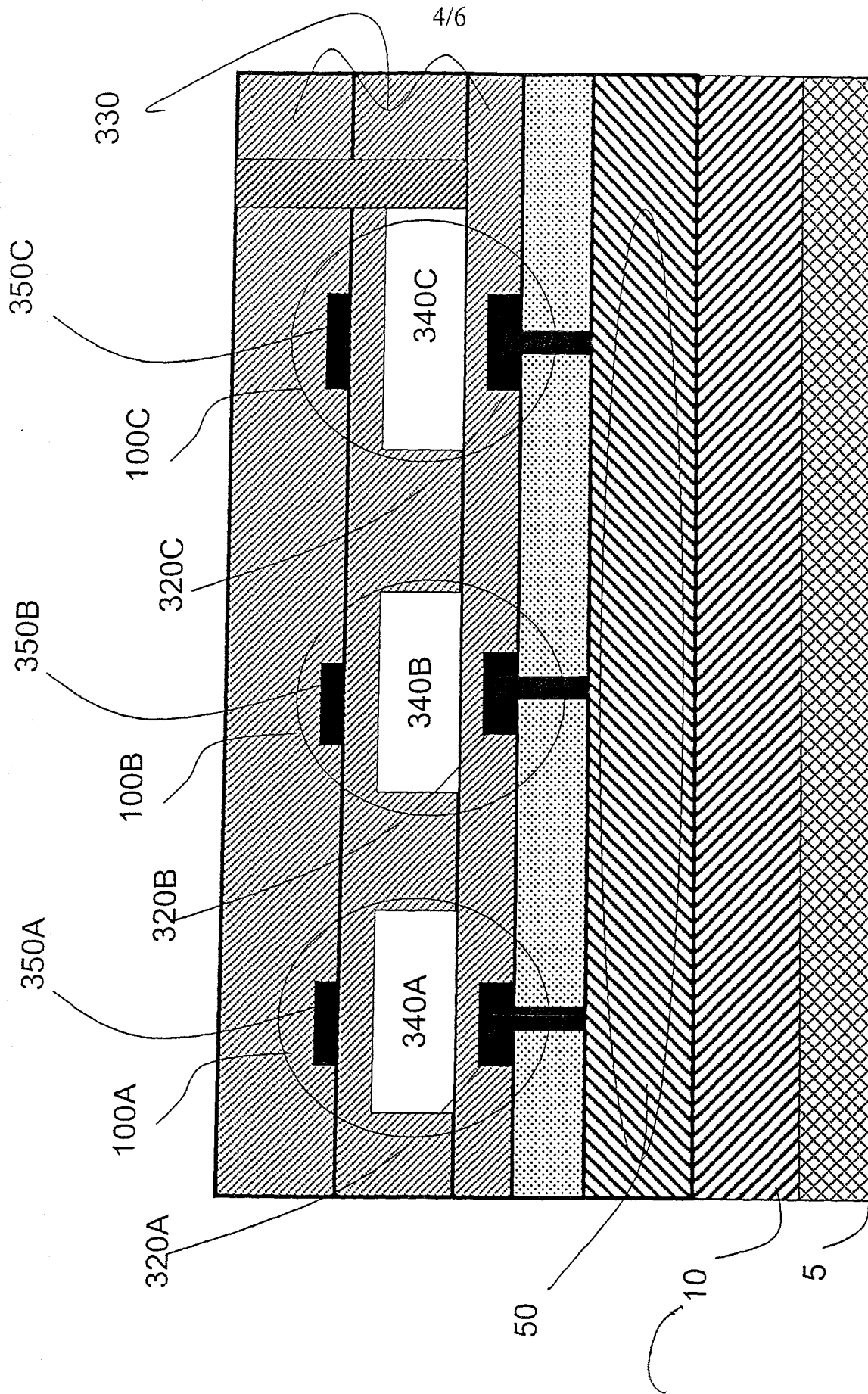


FIG. 3

# Transmission Test

(pitch and catch)

Sample 9MHz Immersion Parts → Backing Material Effects

## Time Response

Vbias = 90V

Vac = 10V 30ns pulse

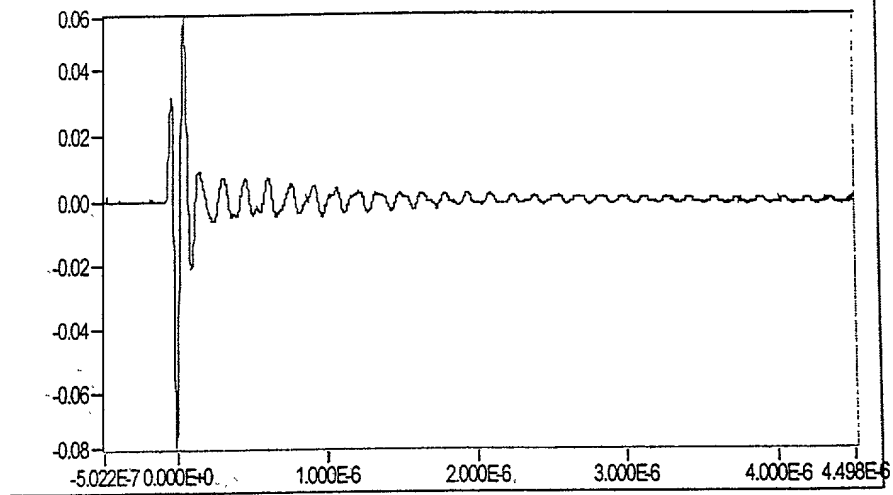
2mm separation

No backing material

Medium = water

FIGURE 4A

Voltage (V) vs Time (s)

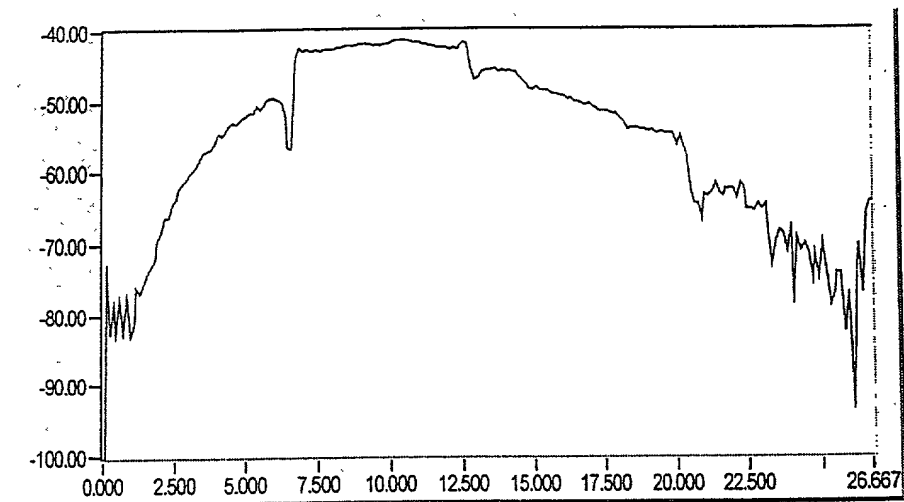


## 2-way Insertion Loss

-6dB BW = 78.82%

FIGURE 4B

Insertion Loss (dB attenuation) vs Frequency (MHz)



**Time Response**

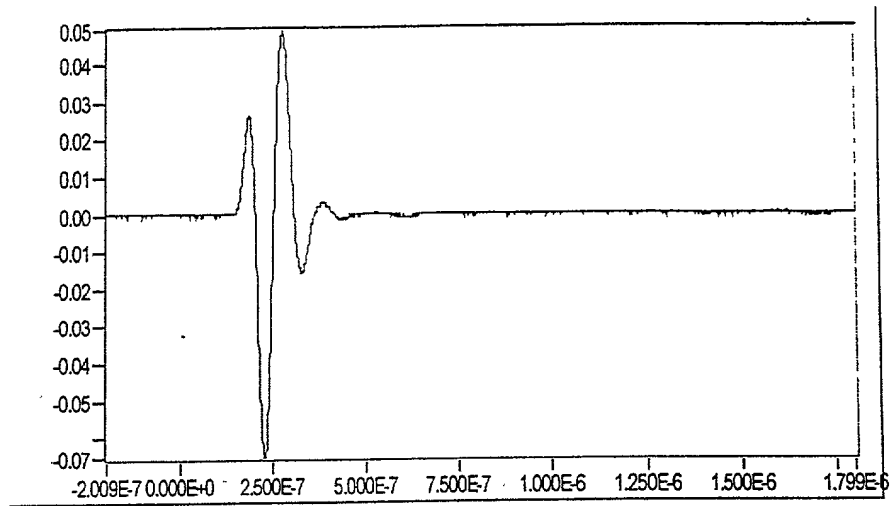
Vbias = 90V

Vac = 10V 30ns pulse

2mm separation

With backing material

Medium = water

**FIGURE 4C****Voltage (V) vs Time (s)****2-way Insertion Loss**

-6dB BW = 84.02%

**FIGURE 4D****Insertion Loss (dB attenuation) vs Frequency (MHz)**